



BW

T-AH 19 CLASS HOSPITAL SHIP

FACT SHEET

Ship Names

USNS MERCY (T-AH 19)
USNS COMFORT (T-AH 20)

Principal Characteristics

Length Overall..... 894'-0"
Beam..... 105'-9"
Draft, Design..... 32'-9"
Displacement (S.W. at
Design Draft)..... 69,360 Long Tons
Speed (at 80% ABS SHP,
Design Draft)..... 17.5 knots

Mission

Primary mission: To provide acute medical and surgical care in support of Rapid Deployment Forces, U.S. Marine Amphibious Task Forces, and Forward Deployed Navy Fleet activities located in hostile areas.

Secondary mission: To provide a full-service hospital facility that can be deployed world-wide to support disaster relief operations.

Patient Care Facilities

Patient care wards (each ship)

Intensive care wards..... 80 beds
Recovery wards..... 20 beds
Intermediate care wards..... 280 beds
Light care wards..... 120 beds
Limited care wards..... 500 beds
Total Patient Capacity..... 1000 beds

Operating rooms (each ship)..... 12

The following major Departments and Facilities are provided on each ship:

Casualty reception
Radiological services
Main laboratory plus satellite lab
Central sterile receiving
Medical supply/pharmacy
Physical therapy and burn care
Dental service
Optometry/lens lab
Morgue
Laundry
Oxygen producing plants (two)

Hull Arrangement

Raised forecastle, transom stern, bulbous bow, extended deckhouse with forward bridge, helicopter landing deck with flight control facility

Accommodations for 68 ship operating crew and 1508 medical support personnel

Propulsion Plant

Main propulsion type..... Single screw,
geared steam turbine
Shaft Horsepower..... 24,500
Fuel..... DFM
Endurance (at sustained
speed)..... 13,420 nautical miles

Additional features include three 2000 KW auxiliary diesel generators for medical space support, with one 1500 KW emergency diesel generator for backup; one 1000 KW ship's service turbo-generator with one 750 KW emergency diesel generator for backup; four 75,000 gallon per day distilling plants; and three 400 ton air conditioning plants

Hull Machinery

Two forward and two aft mooring winches
Nine 7500 pound capacity elevators
Two 1000 pound capacity medical supply lifts
One 3 ton stores crane
Electro-hydraulic patient litter handling hoist

Navigation and Communication

Two radars
Collision avoidance system
Satellite navigator
Radio direction finder
Air control and aviation navigation aids including TACAN
Gyro compass, course recorder and repeaters
Dual control gyropilot steering system
Doppler sonar speed log
Rate-of-turn indicator

Safety Equipment

Firemain system throughout ship
Halon flooding in diesel engine enclosures and O₂ producer room
Foam system in machinery spaces
AFFF system for helo deck
Lifeboats
Life rafts, davit launched and Navy type

Designed and being converted for the U.S. Navy by
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